ATTORNEY DOCKET NO.: 30626-108

10/542951 JC14 Rec'd PCT/PTO 21 JUL 2005

## CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service via Express Mail Label No. EL449704757USUS, addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 21, 2005.

> Orlando Lopez / Reg. No. 46,880

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ali Kaan Kalkan, et al.

Application Serial Number: N/A

Filed: Herewith

NANOPARTICLE COATED NANOSTRUCTURED SURFACES FOR DETECTION, For:

CATALYSIS AND DEVICE APPLICATIONS

PERKINS SMITH & COHEN LLP

One Beacon Street Boston, MA 02108 (617) 854-4000

Examiner: N/A

Group Art Unit: N/A

Mail Stop PCT To:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement (Form PTO-1449) (including copies of non-U.S. patent references) is submitted under 37 CFR 1.97(b).

#### REMARKS

Applicant submits herewith an Information Disclosure Statement under 37 CFR 1.97(b).

The following information is presented in the event that a call may be deemed desirable by the Examiner:

ORLANDO LOPEZ (617) 854-4000.

Respectfully submitted,

Ali Kaan Kalkan, et al., Applicants

Dated: July 21, 2005

Orlando López

By:

Reg. No. 46,880

Attorney for Applicants

ATTORNEY DOCKET NO.: 30626-108

# FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 30626-108

APPLICATION SERIAL NO.: N/A

GROUP ART UNIT: N/A

APPLICANT: Ali Kaan Kalkan et al.

EXAMINER: N/A

FILING DATE: Herewith

CONFIRMATION NO.: N/A

PRIORITY DATE: January 21, 2003

# **U.S. PATENT DOCUMENTS**

| EXAMINER | DOCUMENT      | DATE     | NAME          | CLASS/SUB-<br>CLASS | FILING DATE IF |
|----------|---------------|----------|---------------|---------------------|----------------|
| INITIAL  | NO.           |          |               | CLASS               | APPROPRIATE    |
|          | 2003/0089611* | 05/15/03 | Nayfeh et al. | 205/109             | 11/15/01       |
|          | 2003/0178571* | 09/25/03 | Nayfeh et al. | 250/372             | 02/25/03       |
|          | 6,660,152*    | 12/09/03 | Nayfeh et al. | 205/109             | 11/15/01       |

#### FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | DATE | NAME | CLASS/SUB-<br>CLASS | TRANSLA<br>YES | TION<br>NO |
|---------------------|-----------------|------|------|---------------------|----------------|------------|
|                     |                 |      |      |                     |                |            |
|                     |                 | -    |      |                     |                |            |
|                     |                 | .,   |      |                     |                |            |

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

| C. Sönnichsen et al., "Drastic Reduction of Plasmon Damping in Gold Nanorods," PHYSICAL RE V IEW LETTERS, VOLUME 88, NUMBER 7, 18 FEBRUARY 2002.*  |
|--|
| Lon A. Porter, Jr., et al., "Controlled Electroless Deposition of Noble Metal Nanoparticle Films on Germanium Surfaces," NanoLetters, Vol. 2, No. 10, 2002, 1067-1071, published on Web 9/07/2002.*  |
| Lon A. Porter, Jr., et al., "Electroless Nanoparticle Film Deposition Compatible with Photolithography, Microcontact Printing, and Dip-Pen Nanolithography Patterning Technologies, "NanoLetters, Vol. 2, No. 12, 2002, 1369-1372, published on Web 10/29/2002.* |

| <b>EXAMINER</b> | DATE CONSIDERED |  |  |
|-----------------|-----------------|--|--|
|                 |                 |  |  |

<sup>\*</sup> These patents are representative of the state of the art but published after or less than one year prior to Applicant's priority date. Therefore, if any such item is considered sufficiently relevant by the Examiner to the present invention, its possible "prior art" status against the present invention should be considered individually allowing for the prospect of swearing back or other priority determination.